CHANGING DISTRIBUTION PATTERNS IN THE INVASIVE ALGA Codium fragile ssp. tomentosoides: INTERPLAY OF HERBIVORES AND HYDROGRAPHIC CONDITIONS IN THE GULF OF MAINE

Changing Patterns of Distribution

Hydrographic Conditions

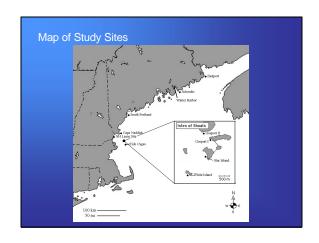
Herbivores

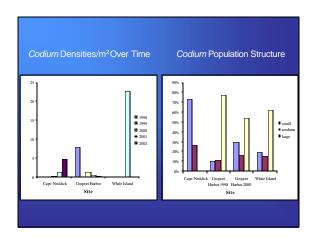
Epibiont Acquisition

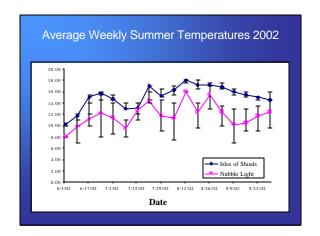


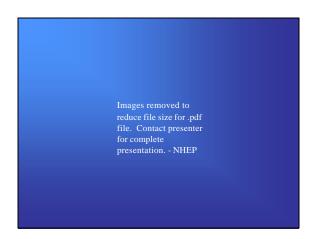




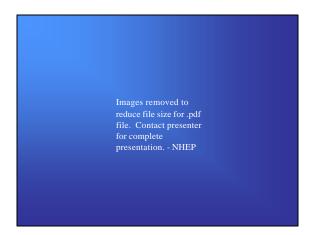




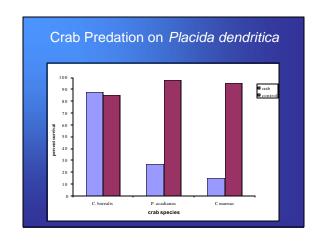




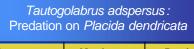




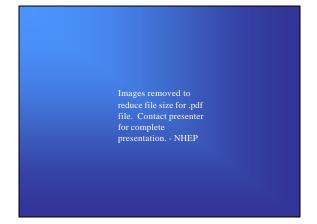




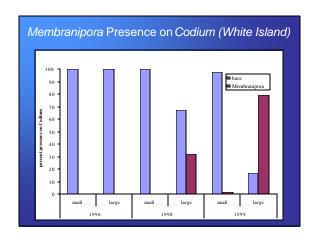


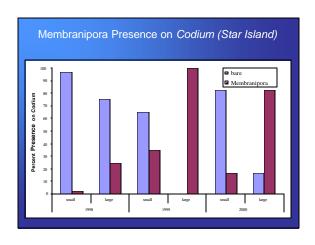


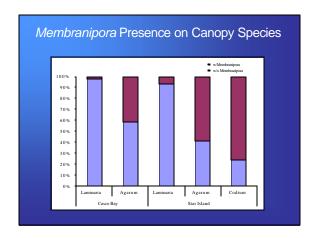
<u>Treatment</u>	<u>Number</u>	<u>Result</u>
Offered alone		observed and ignored
Offered with Mytilus tissue		observed and ignored
Offered on <i>Mytilus</i> tissue		all ingested - 3 eaten, 6 rejected











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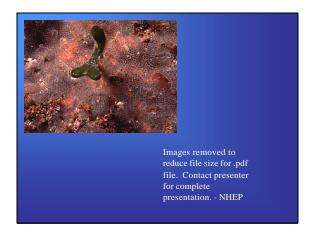
Conclusions

- •Codium is expanding its range
- •Summer thermal instability from coastal upwelling is slowing the spread
- •Herbivores are restricting success in quiet conditions
- •Epibiont acquisition is higher than found on *Laminaria* species and impact is yet to be determined

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